| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |
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Rejected

**Allowed** 

| Applic | :ation/ | Contr | ol No. |
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Reexamination

Applicant(s)/Patent under

10/751,205

CLEVENGER ET AL. Art Unit

2822

Examiner

Kiesha L. Rose

(Through numeral) Non-Elected N

Appeal

Restricted

Cancelled

Interference

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| Cla  | aim      | Date   |                 |   |           |          |          |          | ſ               | Cla       | im  | Date         |          |          |                    |                |              |                 |          |          |          | Cla | aim | Date  |          |           |          |              |          |                |          |                 |          |   |
|--|----------|--|-----------------|---|-----------|----------|----------|----------|-----------------|-----------|-----|--------------|----------|----------|--------------------|----------------|--------------|-----------------|----------|----------|----------|-----|-----|-------|----------|-----------|----------|--------------|----------|----------------|----------|-----------------|----------|---|
|  |          | ٠.,  | П               | Т   | Ť         | Ī        |          |          | П               | $\exists$ | 1   | Ī            |          |          |                    |                |              | T               |          | 丁        | $\neg$   |     |     | -     |          |           |          |              |          |                |          |                 |          |   |
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| Final  | įģ       | 14   |                 |   | - 1       |          | -        |          | ŀ               |           |     | Final        | į        |          |                    |                |              |                 |          |          | .        |     |     | Final | ij       |           |          |              |          |                |          |                 |          |   |
| "  | ō        | 유  |                 |   |           |          |          |          |                 |           |     | -            | ō        |          | 0                  |                |              |                 |          |          |          |     |     | _     | ō        |           |          |              |          |                |          |                 | - 1      |   |
| <u> </u>   | 4        | -  | H               | +   | $\dashv$  |          |          |          | +               | -         | ŀ   |              | 51       |          |                    |                |              | $\dashv$        | -        | +        | +        |     |     |       | 101      |           | -        | _            | $\vdash$ |                |          | $\dashv$        | ÷        |   |
| <u> </u>   | 1        | $\vdash$   | ╌               | +   | ┥         | $\dashv$ | $\dashv$ | -        |                 |           | ŀ   |              |          |          | Н                  |                |              | $\vdash$        | $\dashv$ | +        | +        | -   |     |       | 102      | $\dashv$  |          |              | -        | _              | Н        | $\dashv$        | $\dashv$ | — |
|  | 2        | ⊢  | $\vdash$        | +   | -+        | -        | $\dashv$ | $\dashv$ | -+              |           | ŀ   |              | 52       |          |                    |                | _            | $\vdash$        | $\dashv$ | +        | $\dashv$ |     |     |       |          | $\dashv$  | -        |              |          | _              |          |                 | -        |   |
|  | 3        | <u> </u>   | -               | -+  | -         | 4        |          |          | $\dashv$        | 4         | -   |              | 53       |          | Н                  |                |              | $\vdash$        | $\dashv$ | $\dashv$ |          |     |     |       | 103      |           | -        |              |          |                |          | -               | -        |   |
|  | 4        | <u> </u>   | $\vdash$        | 4   | -         |          | $\dashv$ | _        |                 | 4         | -   |              | 54       |          | Н                  | $\blacksquare$ |              | $\vdash$        | $\dashv$ | $\dashv$ | -        |     |     |       | 104      |           | -        |              |          | _              | _        | $\dashv$        |          |   |
| <u> </u>   | 5        |  | Ш               | 4   | _         | _        | _        | _        | _               | 4         | `\  |              | 55       |          | Ш                  |                |              | $\sqcup$        | _        | -        | 4        |     |     |       | 105      | _         | _        |              | <u> </u> |                |          |                 | _        |   |
|  | 6        | <u> </u>   | Ш               | _   | 4         |          | _        | _        | $\dashv$        | 4         | ŀ   |              | 56       |          |                    |                |              | $\dashv$        | _        | _        | 4        | _   |     |       | 106      | _         |          |              | _        |                |          |                 |          |   |
|  | 7        |  | Щ               | 4   | _         | _        |          |          | _               | _         |     |              | 57       |          | Ш                  |                |              | $\Box$          | _        | 4        | _        | _   |     |       | 107      | _         |          |              |          |                |          | Ш               | _        |   |
|  | 8        | <u> </u>   | $\sqcup \sqcup$ | $\perp$   | _         | _        | _        |          |                 | _         |     |              | 58       |          |                    |                |              |                 |          | $\dashv$ | _        |     |     |       | 108      |           | _        |              |          |                |          |                 |          |   |
|  | 9        | <u> </u>   | Ш               | $\perp$   | _         |          | _        |          | $\perp$         |           |     |              | 59       |          |                    |                |              |                 |          | _        | _        |     |     |       | 109      |           |          |              | Щ        | _              |          |                 | _        |   |
|  | 10       | _  | $oxed{oxed}$    |   |           |          |          |          | $\perp$         | _ :       |     |              | 60       |          | Ш                  |                | Ш            |                 | _        |          |          |     |     |       | 110      |           | _        |              | L        | L              | Ш        | Ш               | _        |   |
|  | 11       |  | Ш               |   |           | l        |          |          | $\perp$         |           | 1   |              | 61       |          | Ш                  |                |              |                 |          |          |          |     |     |       | 111      |           |          |              |          |                |          |                 |          |   |
|  | 12       |  |                 |   |           | $\Box$   |          |          |                 | _]        | [   |              | 62       |          | $oxed{oxed}$       |                |              |                 |          |          | $\bot$   |     |     |       | 112      |           |          |              | <u></u>  | L_             | Щ        |                 |          |   |
|  | 13       |  |                 | $\Box$  |           |          |          |          |                 |           | `., |              | 63       |          |                    |                |              |                 |          |          |          |     |     |       | 113      |           |          |              |          | L              |          |                 |          |   |
|  | 14       |  |                 | $\prod$   |           | [        | [        |          |                 | _]`       | . [ |              | 64       |          |                    |                |              |                 | $\Box$   | _]       | ╝        |     |     |       | 114      | [         |          |              |          |                |          | ot              |          |   |
|  | 15       |  |                 | $\Box \Gamma$   | J         |          |          |          | $\Box$          |           |     |              | 65       |          |                    |                |              |                 | $\Box$   |          |          |     |     |       | 115      |           |          |              |          |                |          |                 |          |   |
|  | 16       |  |                 |   |           |          |          |          |                 | П         |     |              | 66       |          |                    |                |              |                 |          |          | $\Box$   |     |     |       | 116      |           |          |              |          |                |          |                 |          | _ |
|  | 17       |  | П               | ╗   |           |          |          |          | T               | 7         | ା   |              | 67       |          | П                  |                |              |                 | П        |          |          |     |     |       | 117      |           |          |              |          |                |          |                 |          |   |
|  | 18       | Г  | $\Box$          | $\neg$  | $\exists$ | ヿ        | $\neg$   |          | $\neg$          | <b>-</b>  |     |              | 68       |          |                    |                | -            |                 |          |          | 一        |     | . ] |       | 118      |           |          |              |          |                |          |                 | $\neg$   |   |
|  | 19       | Г  | $\Box$          | ┪   | 7         |          |          |          | _               | 1:        |     |              | 69       |          |                    |                |              | $\Box$          | $\dashv$ | ╅        | 寸        |     |     |       | 119      |           |          |              |          | П              |          |                 | T        |   |
|  | 20       | 1  |                 | -   | $\dashv$  | $\dashv$ | 一        | $\dashv$ | _               | 7         | H   |              | 70       |          | П                  |                |              | Н               | 寸        | _        |          |     |     |       | 120      | $\Box$    |          |              |          |                |          | $\Box$          | $\neg$   |   |
|  | 21       | 宀  | $\vdash$        | $\dashv$  | ┪         | ᅱ        | -        | -        | _               | 4         | H   |              | 71       |          | $\vdash$           |                |              | H               | $\dashv$ | _        | $\dashv$ |     |     |       | 121      |           | $\neg$   |              |          |                | М        | $\Box$          | 一        |   |
| <b></b>  | 22       | 1  | $\vdash$        | $\dashv$  | -         |          | _        | -        | $\dashv$        | ا:        | -   |              | 72       |          | Н                  |                | Н            | $\vdash$        | +        | $\dashv$ | $\dashv$ |     |     |       | 122      | $\neg$    | _        |              |          |                |          |                 |          |   |
|  | 23       | Ť  | $\vdash$        | +   | $\dashv$  | $\dashv$ | $\dashv$ | $\vdash$ | _               | $\dashv$  | ŀ   | _            | 73       |          | H                  |                | H            | H               | $\dashv$ | $\dashv$ | _        |     |     |       | 123      | $\vdash$  |          |              |          | Н              |          | $\vdash$        |          |   |
| <u> </u>   | 24       | Н  | $\vdash$        | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$  | - } | -            | 74       |          | ┝┈┤                | Н              | Н            | $\vdash \vdash$ | $\dashv$ | $\dashv$ | -        |     |     |       | 124      | -         |          | -            |          |                |          | H               | $\dashv$ |   |
| <b>—</b>   | 25       | +  | <del>   </del>  | +   | +         | -        |          |          | _               | ۲.        | ŀ   |              | 75       | $\vdash$ | Н                  |                | $\vdash$     | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |     |     |       | 125      |           | $\dashv$ | -            |          | $\vdash$       |          | $\vdash$        | $\dashv$ | - |
| <b>—</b>   | 26       | 1  | +               | +   | $\dashv$  | $\dashv$ | $\dashv$ | $\vdash$ | +               | $\dashv$  | . } |              | 76       |          | $\vdash$           | -              | -            | $\vdash \vdash$ | -        | $\dashv$ | $\dashv$ |     |     |       | 126      | -         | -        | -            | $\vdash$ | <del>  -</del> | $\vdash$ | $\vdash$        | $\dashv$ | _ |
| <u> </u>   | 27       | ⊢ <b>`</b>                                       | $\vdash$        | $\dashv$  | +         | $\dashv$ | $\vdash$ | -        | +               | $\dashv$  | ŀ   |              | 77       | $\vdash$ | Н                  | -              | $\vdash$     | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | _   |     | -     | 127      | $\dashv$  | $\dashv$ | $\vdash$     | $\vdash$ | <del> </del>   | -        | $\vdash$        | $\dashv$ | _ |
| <del> </del>                                     | 28       | 1  | ╌┼              | $\dashv$  | $\dashv$  | $\dashv$ |          | -        | +               | $\dashv$  | -   |              | 78       | -        | Н                  | $\vdash$       | $\vdash$     | $\vdash \vdash$ | -+       | $\dashv$ | $\dashv$ |     |     |       | 128      | $\vdash$  | $\dashv$ | <del> </del> |          | $\vdash$       | $\vdash$ | $\vdash$        | $\dashv$ | _ |
|  |          | Y  | ├               | +   | -         | $\dashv$ | -        |          | $\dashv$        | $\dashv$  | ŀ   |              |          |          |                    |                |              | H               | -        | +        | -        |     |     |       | 129      | $\dashv$  | $\dashv$ |              |          | $\vdash$       | $\vdash$ |                 | $\dashv$ |   |
| <u> </u>   | 29       | ₩  | $\vdash \vdash$ | +   | 4         |          | $\dashv$ |          |                 | $\dashv$  | .   |              | 79       | H        | Н                  |                | $\vdash$     | $\vdash \vdash$ | $\dashv$ | +        | -+       |     |     |       | 129      |           |          | -            | $\vdash$ | $\vdash$       | $\vdash$ | $\vdash \vdash$ | $\dashv$ |   |
| <u> </u>   | 30       | μ,   |                 | +   | -         | _        |          | $\Box$   | $\dashv$        |           | •   |              | 80       | <u> </u> | $\vdash$           |                | $\vdash$     | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |     |     |       | 130      | $\dashv$  |          | -            |          | -              | -        | $\vdash \vdash$ |          |   |
|  | 31       | ٧  | $\vdash \vdash$ | +   | -         |          | _        | -        | -               | $\dashv$  | -   |              | 81       | _        | Н                  |                | <u> </u>     | $\vdash$        | _        |          | $\dashv$ |     |     |       | 131      | $\dashv$  | _        |              | H        | $\vdash$       | $\vdash$ | Н               |          |   |
| <u></u>  | 32       |  | ⊢∔              | $\perp$   | _         | _        |          |          | $\dashv$        | $\dashv$  | -   |              | 82       | Ь        | Ш                  |                | $\vdash$     | $\sqcup$        | _        | 4        | 4        |     |     |       | 132      | $\sqcup$  |          | <u> </u>     | _        | _              | <u> </u> | $\sqcup$        |          |   |
|  | 33       | _  |                 | _   | _         | _        |          |          | $\perp$         | _         | ļ   |              | 83       | _        | Ш                  |                |              | $\square$       | _        | $\dashv$ | _        |     |     |       | 133      | $\sqcup$  | _        | <u> </u>     | <u> </u> | <u> </u>       |          |                 |          |   |
|  | 34       | =  | $\sqcup$        | 4   | _         | _        |          |          |                 | _         | ļ   |              | 84       | Ш        | Ш                  |                | $oxed{\Box}$ | $\sqcup$        | _ļ       | _        | _        |     |     |       | 134      | $\square$ |          | _            |          |                |          | Ш               |          |   |
|  | 35       | Ш  | $\vdash \vdash$ | 4   | _         | _        |          |          | $\perp$         | $\Box$    | Ļ   |              | 85       |          | Щ                  |                | L            | $\sqcup$        | _        | _        | _        |     |     |       | 135      |           |          | Щ.           | _        | $\vdash$       | Щ        | Щ               |          |   |
| <u></u>  | 36       | Ш  | Щ               | $\perp$   |           |          |          |          | $\perp$         | $\Box$    | Ļ   |              | 86       | L        | $oxed{oxed}$       | Ш              | <u> </u>     | Ш               | _        | _        |          |     |     |       | 136      | $\Box$    |          | L            |          | <u> </u>       | Щ        | Ш               |          |   |
| <u></u>  | 37       | Ш  | Ш               | $\perp$   |           | $\Box$   |          |          |                 | ┙         | Ĺ   |              | 87       | Щ        |                    |                |              | Ш               |          |          | _[       |     |     |       | 137      |           |          | L            |          | Ш              | $\sqcup$ |                 |          |   |
|  | 38       | =  |                 | $\perp$   |           |          |          |          |                 |           |     |              | 88       |          | $oxedsymbol{oxed}$ |                | L            |                 |          | $\Box$   |          |     |     |       | 138      |           |          | L            |          | <u> </u>       |          | Ш               |          |   |
|  | 39       | L  | $\Box$          | $\bot$  |           |          |          |          |                 |           |     |              | 89       |          |                    |                |              |                 |          |          |          |     |     |       | 139      |           |          |              |          |                |          | $\Box$          | ]        |   |
|  | 40       |  |                 | $oldsymbol{ol}}}}}}}}}}}}}}}$ | J         |          |          |          |                 |           | - [ |              | 90       |          |                    |                |              |                 |          | $\Box$   |          |     |     |       | 140      |           |          |              |          |                |          |                 |          |   |
|  | 41       |  |                 | T   | ╗         |          |          |          |                 |           | ſ   |              | 91       |          |                    |                |              |                 |          | $\Box$   | $\Box$   |     |     |       | 141      |           |          |              |          |                |          |                 |          |   |
|  | 42       | Γ  |                 | 丁   | ╗         | 一        |          |          |                 | $\neg$    | Ī   |              | 92       |          |                    |                |              |                 |          |          | $\neg$   |     |     |       | 142      |           |          |              |          |                |          |                 |          |   |
|  | 43       |  | $\Box$          | $\top$  | 7         |          |          |          |                 | $\neg$    | Ī   |              | 93       |          |                    |                |              | Πİ              | 7        |          | 1        |     |     |       | 143      |           |          |              |          |                |          |                 |          |   |
| <u> </u>   | 44       |  |                 | $\top$  | 7         |          |          |          | _               | $\dashv$  | -   |              | 94       | П        | П                  |                |              | $\sqcap$        | $\dashv$ | $\neg$   | $\dashv$ |     |     |       | 144      | $\Box$    |          | Т            |          | Г              | П        |                 |          | _ |
|  | 45       | $\vdash$   |                 | _   | +         |          | _        |          | $\neg \uparrow$ | ┪         | ŀ   |              | 95       | Т        | $\vdash$           |                |              | $\sqcap$        | 一        | _        | 一        |     |     |       | 145      | $\neg$    | $\neg$   | Т            |          | $\overline{}$  |          | Н               | $\neg$   |   |
| <u> </u>   | 46       | T  | $\vdash$        | $\dashv$  | $\dashv$  | $\dashv$ |          | $\dashv$ | $\neg \dagger$  | $\dashv$  | - 1 | $\dashv$     | 96       | П        | Н                  |                | Н            | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |     |     |       | 146      |           |          |              | H        | $\vdash$       |          | $\vdash$        |          | - |
| -  | 47       | <del>                                     </del> |                 | +   | +         |          |          |          | $\dashv$        | $\dashv$  | ŀ   |              | 97       |          | Н                  | -              | $\vdash$     | Н               | $\dashv$ | 十        | $\dashv$ |     |     |       | 147      | $\vdash$  | $\dashv$ | _            |          |                | Н        | H               | -        |   |
| -  | 48       |  | $\vdash$        | $\dashv$  | $\dashv$  | -        | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$  | ŀ   |              | 98       | -        | $\vdash$           | _              | $\vdash$     | $\vdash$        |          | $\dashv$ | $\dashv$ | _   |     |       | 148      |           |          | _            | -        | $\vdash$       | $\vdash$ | $\vdash$        | $\dashv$ |   |
| <del> </del>                                     | 49       | $\vdash$   | $\vdash$        | $\dashv$  | +         | $\dashv$ | $\dashv$ |          | +               | $\dashv$  | - } |              | 99       |          |                    |                | $\vdash$     | $\vdash \vdash$ | -        | $\dashv$ | $\dashv$ | _   |     |       | 149      |           | $\dashv$ |              | -        | $\vdash$       | $\vdash$ | $\vdash$        | -        | _ |
| <del>                                     </del> | 50       | $\vdash$   | $\vdash$        | +   | $\dashv$  | $\dashv$ |          |          | $\dashv$        | $\dashv$  | - } |              | 100      | _        | Н                  |                | $\vdash$     | $\vdash$        |          | +        | -        | -   |     |       | 150      | $\dashv$  | -        | _            | -        | $\vdash$       | $\vdash$ | $\vdash$        | $\dashv$ |   |
|  | 100      |  |                 |   |           |          |          |          |                 |           | L   | ·            | 100      |          |                    |                | 1            | 1               | I.       | 1        | _1       |     |     |       | 130      |           |          | l            | ı        |                |          | 1 1             | - 1      |   |